

# ► OpenCD

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## Technical specifications

### Technical Features

CD Capacity	28-660 full CDs (42-1000 typical CDs)
Attachment	Direct Network Attached / NAS
Initial Configuration	LCD Front Panel and keys - takes 2 minutes
Expandable Capacity	6 bays in total (see product selection guide) user pluggable expansion
Network Option	10/100 Ethernet, 16/4 Token-Ring, Gigabit Ethernet (from June 2000)

### Hardware

HDDs & Interface Type	Ultra2 Wide SCSI - LVD (80 MBytes/sec)
HDD Specification	7200 RPM or greater. Average access time less than 8msec
HDD Capacity	18 - 432 GB (see product selection guide)
Processor	Intel Pentium III - 500 MHz
Motherboard Type	PC Server Architecture, PCI bus, 100 MHz FSB
RAM Memory	64 MB - 256 MB SDRAM (depends on model)
Built in DVD Drive	SCSI - DVD Drive, also supports CD
Ethernet Model	Ethernet 10/100 auto-sense, supports Full Duplex operation 10 Base-T, 100 Base-TX, RJ-45, based on Intel 82559
Case Type	Black Server Tower (stabilizing feet/casters included), rack mount version also available
Power Supply Unit (PSU)	300W, 110/220 VAC (switchable) 50/60 Hz

### Software & Protocol

Server OS Platform	Built on NT Technology - MS Windows NT Embedded
Workstation Software	File & Directory titles can be accessed using network client built into workstation O/S. Single drive letter for all CDs or one CD per drive letter. Add Avantis MVD™ client & utilities for full CD & DVD compatibility.
Network Protocol Support	TCP/IP, SPX/IPX, Netbeui
Application Services	HTTP, FTP, SMB, WINS, RPC, DCOM, CIFS
Workstation O/S Support	DOS, WFW, Windows 95/98, NT 3.51 / 4.0, Windows 2000, OS/2, MAC, Unix, Linux, OS/2 & others - with SMB/CIFS client.
Media/Disc Support	Avantis MVD™ clients currently available for Win 95/98, NT 4, 2000 CD-ROM, CD-DA (audio), High Sierra, ISO-9660, Joliet, Video CD, CDi, CD-R, CD-ROM XA, CDi Bridge, Photo CD, Enhanced Music CD, CD-RW, Packet CD, UDF 1.02, Multi-Session, DVD, DVD-Video (when not CSS encoded), many copy protected formats.
Security Options	Quick Start (low security), MS Workgroups - manual user/group entry, MS NT Domains - fully integrates with existing domains, incl. trusted domains
Management/Administration	Remote managed from Web browser (Netscape or IE)

### Performance

Concurrent AVIs (typical)	25
Single User Data Rate	Up to 8 MBytes/Sec
10 User Data Rate (typical)	5 MBytes/Sec
Maximum Users	10,000

### Other Specifications

Size (WxDxH)	19x58x53 cm (server tower)
	48x61x18 cm (19" rack mount case)
Weight	20-35 Kg
Operating Temp	0-40 °C
Humidity	10-90% (RFS Non-condensing)
Certification	UL, CSA, FCC Class B, CE

## Product Selection Guide

Model*	Capacity Guaranteed CDs	Capacity Typical CDs	Capacity Typical ODs+DVDs	Capacity HDD GB	Capacity Expansion Part Number	Capacity HDD Expansion Units CDs (GB)	Max Upgraded CD Capacity
OC.E.xx.28	28	42	20+5	18	OCXE.28	28 (18)	165
OC.E.xx.55	56	84	40+9	36	OCXE.55	55 (36)	330
OC.E.xx.110	110	168	80+17	72	OCXE.55	55 (36)	330
OC.E.xx.220	220	336	160+33	144	OCXE.110	110 (72)	660
OC.E.xx.330	330	495	240+50	216	OCXE.110	110 (72)	660
OC.E.xx.440	440	660	320+67	288	OCXE.110	110 (72)	660
OC.E.xx.550	550	825	400+84	360	OCXE.110	110 (72)	660
OC.E.xx.660	660	1000	480+100	432	-	-	-

\*Substitute "xx" with :  
"FE" for 10/100 Ethernet  
"TR" for 16/4 Token Ring  
"GE" for Gigabit Ethernet (from June 2000)

All models support 10,000 users.  
Rack mount option available

## At a glance

- Up to 1,000 CDs online ●
- 100% CD/DVD compatible ●
- Remote web management ●
- Built on NT technology ●
- Excellent security features ●
- NT Domain integration option ●
- Network Attached Storage (NAS) ●
- No need for client software ●
- Entirely hard disk based ●
- Unprecedented performance ●
- Avantis MVD™ technology ●
- Instant web server for CD-ROMs ●
- Up to 432GB capacity ●
- User expandable capacity ●
- 10,000 concurrent users ●
- Exceptional reliability ●
- CD licensing tools ●
- Rapid plug and play installation ●
- Best multimedia support ●
- Multi-server support ●
- Rapid CD image creation ●
- Independent of NOS ●
- Independent of other servers ●

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# AVANTIS

# OpenCD

Enterprise CD•DVD Server



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# simply brilliant

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## OpenCD, the ultimate CD/DVD networking solution

OpenCD from Avantis is the most advanced and complete solution to CD-ROM and DVD networking available. A state-of-the-art Network Attached Storage (NAS) device, OpenCD allows up to 10,000 users to access one or as many as 1,000 CDs - simultaneously. Coupled with the unique capability to support ALL formats of CD and DVD, OpenCD is the perfect CD/DVD management tool. OpenCD provides concurrent access to DVD, eliminating the need to replace your PCs' CD-ROM drives with expensive DVD drives. Simply add OpenCD to any environment:

### education & training

Introducing OpenCD into any learning environment opens up the true potential of multimedia. High performance hard disk technology allows all students to use and work on the same CD at the same time - even ones with video clips. OpenCD is managed and administered centrally, eradicating the need to hand out fragile discs in the classroom and overcoming problems of loss, damage or theft.

### law

Today's access to legal forms and precedents is far more convenient and speedy due to their supply on CD from publishers such as Butterworths and Sweet & Maxwell. OpenCD takes this accessibility to another level delivering such files and notes from a single shared location, saving many hours in research time. With up to 1,000 CD storage capacity and OpenCD's web browser accessibility, it also enables practices to create their own online CD libraries.

### medical

From CBT (Computer Based Training) to the Medline database, OpenCD is becoming ever more relevant as the need for rapid access to complex data files increases. OpenCD allows patient information, medical databases and video training CDs and DVDs to be shared concurrently amongst many hospital departments.

### finance & banking

Financial organizations require access to many different types of CD-ROM. Office applications such as Microsoft Office, finance packages, databases and catalogued directories can all be put swiftly online via OpenCD. OpenCD also brings the potential for sharing such information on a global scale thanks to its web browser accessibility.

## NAS - OpenCD delivers

OpenCD truly unleashes the power of both CD and DVD in an instant. No special client or server software needs to be installed - simply plug in, connect to a network point and within minutes your entire network of users will have desktop access to CD and DVD. No network downtime is necessary. OpenCD is a Network Attached Storage (NAS) device and file server independent so that you can access OpenCD even when other network servers are down.

Gone are the problems associated with maintaining dozens of CD-ROM drives.

Gone are the issues of keeping track of an unknown number of CDs or DVDs.

Banished are the countless hours of lost working time whilst people wait in line to use a CD/DVD or find it only to discover that it is scratched or un-usable.

Total access to every CD by unlimited users, concurrently over a network. OpenCD is simply brilliant and brilliantly simple!



Web administration screens



## OpenCD, Built on NT

OpenCD integrates seamlessly into almost any network environment, achieving unparalleled reliability and performance. Built on NT technology, OpenCD also takes full advantage of a range of NOS security options from low security Quick Start mode to MS Workgroup and NT Domain integration, giving you the flexibility to choose the most effective user and group security models for your organization.

## 100% CD & DVD Compatible

Avantis are the industry experts in CD/DVD networking technology and have built their reputation on CD networking know-how. Uniquely, all Avantis' products guarantee 100% compatibility with ALL CD & DVD formats, including DVD Video, Audio CD, Video CD plus many other formats that cannot normally be networked or copied. This is made possible by way of Avantis' proprietary Multimedia Virtual Drive™ technology, which can be used to create virtual CD/DVD drives on every workstation.

## Unprecedented performance

Access times and data transfer rates are critical concerns when sharing CD resources. OpenCD's patented server architecture delivers data to the network at speeds in excess of 8Mbytes/sec and will sustain delivery of over 25 concurrent video streams! OpenCD possesses the highest known performance specification in CD/DVD servers in the industry.

## Massive 1000 CD Capacity

OpenCD is by far the largest capacity multimedia server available today with the largest model typically accommodating a huge 1,000 CDs (432GB hard disk space). The server is readily scalable; lower capacity models can be expanded simply by plugging additional drives into the spare bays on the server.

## Simple to Administer

The OpenCD unit has an LCD panel for rapid initial setup and needs no screen or keyboard to install on the network. Creating an image of a CD takes just five minutes and is as simple as loading the disc into the DVD drive on the server. Once the CD has been imaged, the disc can be removed from the drive and concurrent users can access the CD image immediately. A simple-to-use web management interface enables remote administration of the CD/DVD images from anywhere on the network or World Wide Web. This superb tool allows:

- Configuration of CD server, network mode and protocol settings
- Set up of user and group security modes
- Creation, browsing and deletion of CD/DVD images
- CD licensing control and CD usage tracking
- Reporting of CD image status and server storage space utilization

## Simple to Use

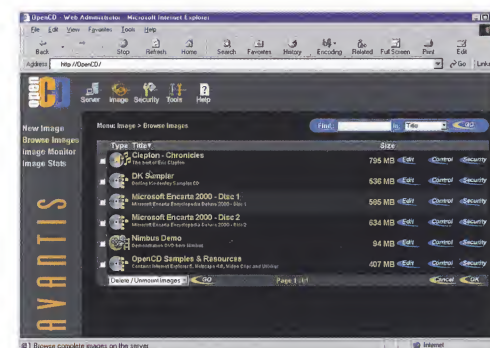
From a user perspective, OpenCD is a dream. Access to CDs and DVDs is via familiar PC graphical user interfaces: Windows Explorer, Network Neighborhood or Web Browser. No additional client software is required so simultaneous access to CD and DVD images is virtually instantaneous.

OpenCD provides users with a variety of means to access CD/DVDs:

1. A single drive letter can be mapped to a share containing all the CDs and DVDs
2. A single CD or DVD image can be mapped to a single drive letter in Windows Explorer

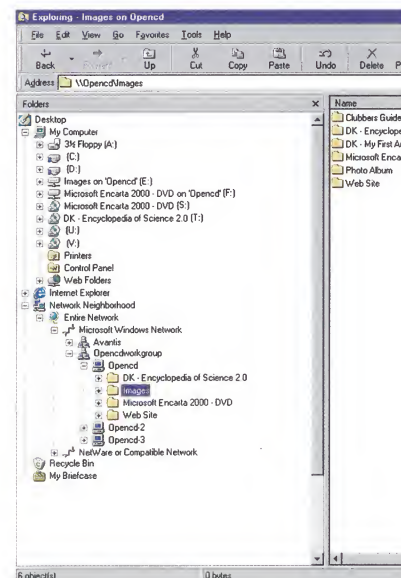
3. Virtual drive mapping using Multimedia Virtual Drive™ (MVD) technology for multimedia formats or formats that are difficult to network (optional downloadable client software)
4. OpenCD appears automatically in Network Neighborhood
5. Browse your CDs from any Web browser

In short, OpenCD from Avantis is the ultimate CD/DVD networking solution, bringing all the color of multimedia to every desktop at a fraction of the cost of individual drives.



Web administration: Browsing CDs.

Accessing OpenCD from Windows Explorer.



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